

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	570	(417/437).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 09:33
S3	20	((("7063513") or ("7063785") or ("6923916") or ("6651630") or ("6725837") or ("6701893") or ("6505608") or ("6352418") or ("5938417") or ("5775893") or ("5231914") or ("5105728") or ("5063829") or ("4815943") or ("4782712") or ("4801248") or ("4867649") or ("4702684") or ("4636148") or ("4653991"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 09:37
S4	63	((("6029495") or ("1310420") or ("1597913") or ("6186012") or ("1879029") or ("5531106") or ("5823717") or ("6106238") or ("6942793") or ("6157036") or ("5308583") or ("5447691") or ("5887507") or ("1448692") or ("1794954") or ("4980296") or ("5750029") or ("5852231") or ("5951954") or ("6129810") or ("6167767") or ("6244117") or ("6503389") or ("6860137") or ("1954253") or ("5240616") or ("5539204") or ("1851700") or ("1861988") or ("1872992") or ("1935624") or ("1950397") or ("5283036") or ("6030814") or ("6036856") or ("6107516") or ("6221251") or ("6221251") or ("6319398") or ("6469297") or ("6809316") or ("6955760") or ("5938416") or ("6228153") or ("6281019") or ("6544413") or ("5693122") or ("1417189") or ("1420393") or ("1501324"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/06 09:38
S6	0	S2 and (step\$3 near (piston or plunger))	USPAT	OR	OFF	2007/01/06 13:22
S7	175	"417".clas. and (step\$3 near (piston or plunger))	USPAT	OR	OFF	2007/01/08 09:24
S8	12369	chromatograph and change\$	USPAT	OR	OFF	2007/01/08 09:25
S9	3871	S8 and pump	USPAT	OR	OFF	2007/01/08 09:25
S10	70	S9 and "417".clas.	USPAT	OR	OFF	2007/01/08 09:34
S11	2132	(takao.in. or hiraku.in. or hayase.in. or kaji.in. or ito.in.) and hitachi.asnm.	USPAT	OR	OFF	2007/01/08 09:34
S12	105	S11 and chromat\$	USPAT	OR	OFF	2007/01/08 09:35

## EAST Search History

S13	3	("20050016263"   "20060000759"   "5393434").PN. OR ("7141161").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/08 10:31
S14	12	("20050194318"   "4158630"   "4352780"   "5283036"   "5462660"   "5935443"   "5958227"   "5968367"   "6235197"   "6502448"   "6942793"   "6989129").PN. OR ("7135111").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/08 10:35
S15	35	S11 and pump and bubble\$	USPAT	OR	OFF	2007/01/08 11:03
S16	11016	(liquid adj chromat\$) and pump	USPAT	OR	OFF	2007/01/08 11:03
S17	21	((liquid adj chromat\$) and pump).ti.	USPAT	OR	OFF	2007/01/08 11:03